

**Abstract****A METHOD USED IN THE CONTROL OF A PHYSICAL SYSTEM  
AFFECTED BY THREATS**

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The method involves (a) modelling how an entity generates another entity to form a risk chain, the risk chain being a series of two or more entities that each model a discrete part of how a threat leads to damage to the system, each entity being described as a population of elements distributed in a parameter or parameters; and (b) controlling the physical system by using results of the modelling. Implementations provide a method for calculating the likelihood and characteristics of security breaches as a function of the measured security threats and the countermeasures deployed.

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